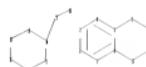
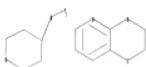


<http://www.cas.org/support/stnegen/stndoc/properties.html>

=>
Uploading C:\Program Files\Stnexp\Queries\10518655.str



chain nodes :
17 18
ring nodes :
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
chain bonds :
16-17 17-18
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6 5-7 6-10 7-8 8-9 9-10 11-12 11-16 12-13 13-14
14-15 15-16
exact/norm bonds :
5-7 6-10 7-8 8-9 9-10 11-12 11-16 12-13 13-14 14-15 15-16 16-17 17-18
normalized bonds :
1-2 1-6 2-3 3-4 4-5 5-6
isolated ring systems :
containing 1 : 11 :

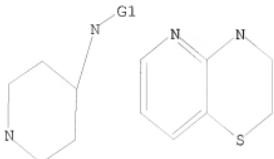
G1:CH2,C,SO2,S

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom
11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:CLASS 18:CLASS

L1 STRUCTURE UPLOADED

=> d 11

L1 HAS NO ANSWERS
L1 STR



G1 CH2,C,SO2,S

Structure attributes must be viewed using STN Express query preparation.

```
=> s l1
SAMPLE SEARCH INITIATED 13:38:41 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 48 TO ITERATE

100.0% PROCESSED 48 ITERATIONS 18 ANSWERS
SEARCH TIME: 00.00.01
```

```
FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 545 TO 1375
PROJECTED ANSWERS: 106 TO 614
```

L2 18 SEA SSS SAM L1

```
=> s l1 sss full
FULL SEARCH INITIATED 13:38:50 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 869 TO ITERATE
```

```
100.0% PROCESSED 869 ITERATIONS 267 ANSWERS
SEARCH TIME: 00.00.01
```

L3 267 SEA SSS FUL L1

```
=> file caplus
COST IN U.S. DOLLARS SINCE FILE TOTAL
                           ENTRY SESSION
FULL ESTIMATED COST 178.36 178.57
```

```
FILE 'CAPLUS' ENTERED AT 13:38:54 ON 19 FEB 2008
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
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FILE LAST UPDATED: 18 Feb 2008 (20080218/ED)

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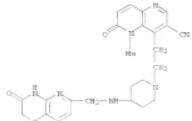
<http://www.cas.org/infopolicy.html>

=> s 13
L4 19 L3

=> d ibib abs hitstr tot

14 ANSWER 2 OF 19 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)
C2 INDEX NAME NOT YET ASSIGNED

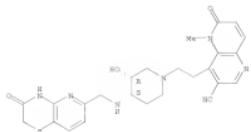
L4 ANSWER 2 OF 19 CAPIUS COPYRIGHT 2008 ACS on STN (Continued)



103

322 1002107-95-Q CAPLUS
C22 INDEX NAME 1007 YET ASSIGNED

Absolute stereochemistry.



12/13

323 1002108-09-9 CAPLUS
 CN 2E-Pyrido[3,2-b]-1,4-thiazin-3(4H)-one,
 6-[[1-[2-[1,2-dihydro-7-methoxy-1-
 methyl-2-oxo-8-quinolinsyl]ethyl]-4-piperidinyl]amino]methyl]- (CA INDEX
 NAME)

REFERENCE COUNT:

THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE

14 A200483 3.08.19 CNA0178 0083231862 2008 AC9 cc 9270

24. **EXHIBIT 3 OF 39** CAP008 CAP1008 2009 20
ACCESSION NUMBER: 2009-43343 CAP008

DOCUMENT NUMBER: 1481-44749
TITLE: Preparation of aztreonam-like compounds for the
treatment of bacterial infection
INVENTOR(S): Brooks, Gerald Miles; Timothy James; Pearson, Neil
PATENT ASSIGNEE(S): Glaxo Group Limited, UK
SOURCE: PCT Int. Appl., 82pp.
CROSS-REF.: P1X333
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACT. DEM. COUNT: 1
PUBLICATION DATE: 1990-01-11

PRIORITY APPN. INFO.: GS 2008-13208 A 20080703

63

STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT

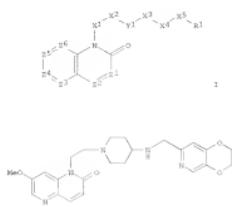
atom linker group, each atom of which is selected from N, NH, O, etc. (when part of an aromatic or a non-aromatic ring), or may addnl. be CR14X15 (when part of a non-aromatic ring); Y2 = 2 to 6 atom linker group, each atom
linker =

Habte

2/19/2008

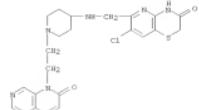
14 NUMBER 4 OF 32 CAPTION COPYRIGHT 2000 AGS OR STM (Continued)

246 (cont'd)

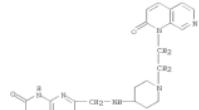


14 ANSWER 4 OF 13 CBA128 CORRECTED 2008 ACS on 5/29 (Cont'd next)

14 MEMBER 4 OF 12 CARMIC COPYRIGHT 2008 AGS on 5TH |Continued

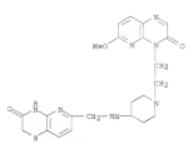


IR 959-614-03-0 CAPLOS
 CH 7-Pyrido[3,2-b]-1,4-thiazin-3(4E)-one,
 6-[(1-[2-(2-oxo-1,7-methylhydrazin-
 1(2H)-yl)ethyl]4-piperidinyl)amino]methyl]- (CA INDEX NAME)

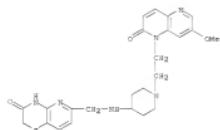


NN 959614-29-0, CAP108
CN 2B-Pyrido[3,2-b]-1,4-thiazin-3(4H)-one, 6-[[1-[2-[6-methoxy-3-
oxopyridin-2-yl]pyrazin-4(3H)-yl]ethyl]-4-piperidinyl]amino]methyl]-(C-
INDEX NAME)

14 ANSWER 4 OF 13 CBA128 CORRECTED 2008 ACS on 5/29 (Cont'd next)

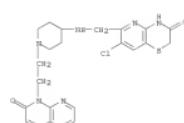


NR 959614-64-3 CAPLUS
 CB 2E-Pyrido[3,2-b]-1,4-thiazin-3(4E)-one, 6-[1-[2-[7-methoxy-2-oxo-1,5-naphthyridin-1(2H)-yl]ethyl]-4-piperidinyl]amino)methyl)- (CA INDEX NAME)

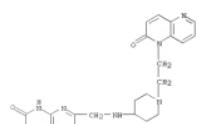


IT 895412-92-29 995412-24-5P
 R12 PGI (Pharmacological activity); R90 (Synthetic preparation); T80 (Therapeutic use); K10C (Biological study); P905 (Preparation); U88 (Uses);
 (preparation of naphthyridinones and related compounds, an antibacterial agent);
 R5 995412-93-2 CAPDUS
 C20-Pyrido[3,2-b]-2,4-thiazin-4(3H)-one, 7-chloro-6-[[1]-2-[2-(2-methoxy-5-naphthylmethyl)-2-ethyl]-4-(4-piperidinyl)anilinomethyl]-, hydrochloride

14 ANSWER 4 OF 13 CARDS CORRECT 2000 MCS on 828 (Continued)



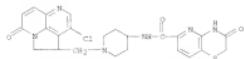
SH 059614-24-5 CAPLUS
 CN 2B-Pyrido[3,2-b]-1,4-thiaxin-3(4H)-one,
 6-[[1-[2-[2-oxo-1,3-naphthiimidin-5-yl]methyl]ethyl]amino]-



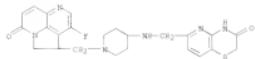
THERE ARE 18 CITED REFERENCES AVAILABLE FOR

Habt.e

2/19/2008

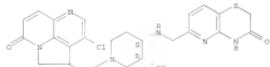


NS 954009-81-4 CAPLUS
 CH 7b-Pyrido[3,2,1-de][1,5]naphthyridin-7-one,
 4-[(1-[1,4-dihydro-1,4-thiazin-4-yl)methylamino]-1-piperidinyl]methyl-3-chloro-4,5-dihydro- (CA INDEX NAME)



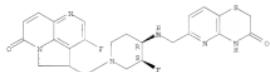
NS 954009-81-4 CAPLUS
 CH 7b-Pyrido[3,2,1-de][1,5]naphthyridin-7-one,
 3-chloro-4-[(1-[1,4-dihydro-1,4-thiazin-4-yl)methylamino]-1-piperidinyl]methyl-3-chloro-4,5-dihydro- (CA INDEX NAME)

Absolute stereochemistry.



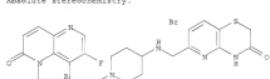
NS 954009-81-4 CAPLUS
 CH 7b-Pyrido[3,2,1-de][1,5]naphthyridin-7-one,
 3-chloro-4-[(1-[1,4-dihydro-1,4-thiazin-4-yl)methylamino]-1-piperidinyl]methyl-3-chloro-4,5-dihydro- (CA INDEX NAME)

Absolute stereochemistry.



NS 954009-81-4 CAPLUS
 CH 7b-Pyrido[3,2,1-de][1,5]naphthyridin-7-one,
 4-[(1-[1,4-dihydro-1,4-thiazin-4-yl)methylamino]-1-piperidinyl]methyl-3-chloro-4,5-dihydro- (CA INDEX NAME)

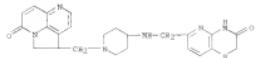
Absolute stereochemistry.



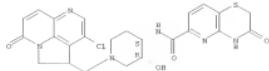
NS 954009-81-4 CAPLUS
 CH 7b-Pyrido[3,2,1-de][1,5]naphthyridin-7-one,
 3-chloro-4-[(1-[1,4-dihydro-1,4-thiazin-4-yl)methylamino]-1-piperidinyl]methyl-3-chloro-4,5-dihydro- (CA INDEX NAME)

KLs PAC (Pharmacological activity); KRM (Synthetic preparation); T800 (Experimental use); B200 (Biological study); PRPF (Preparation); U885 (Experimental); (preparation of pyrido[3,2,1-de]naphthyridinones as antibacterial agent).

NS 954009-81-4 CAPLUS
 CH 7b-Pyrido[3,2,1-de][1,5]naphthyridin-7-one,
 4-[(1-[1,4-dihydro-1,4-thiazin-4-yl)methylamino]-1-piperidinyl]methyl-3-chloro-4,5-dihydro-, hydrochloride (1:1) (CA INDEX NAME)

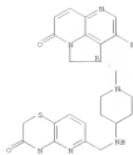


● 1 HCl



NS 954009-81-4 CAPLUS
 CH 7b-Pyrido[3,2,1-de][1,5]naphthyridin-7-one,
 3-chloro-4-[(1-[1,4-dihydro-1,4-thiazin-4-yl)methylamino]-1-piperidinyl]methyl-3-chloro-4,5-dihydro- (CA INDEX NAME)

Absolute stereochemistry.



NS 954009-11-3 CAPLUS
 CH 7b-Pyrido[3,2,1-de][1,5]naphthyridin-7-one,
 4-[(1-[1,4-dihydro-1,4-thiazin-4-yl)methylamino]-3-chloro-2-pyridyl]methyl-3-chloro-4,5-dihydro-, (CA INDEX NAME)

Relative stereochemistry.

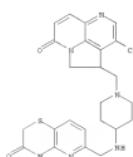


NS 954009-11-3 CAPLUS
 CH 7b-Pyrido[3,2,1-de][1,5]naphthyridin-7-one,
 4-[(1-[1,4-dihydro-1,4-thiazin-4-yl)methylamino]-3-chloro-2-pyridyl]methyl-4,5-dihydro-, hydrochloride (1:1) (CA INDEX NAME)

● 1 HCl

NS 954009-06-3 CAPLUS
 CH 7b-Pyrido[3,2,1-de][1,5]naphthyridin-7-one,
 3-chloro-4-[(1-[1,4-dihydro-1,4-thiazin-4-yl)methylamino]-3-chloro-2-pyridyl]methyl-4,5-dihydro-, hydrochloride (1:1), (+)- (CA INDEX NAME)

Rotation (+).



● 2 HCl

NS 954009-07-4 CAPLUS
 CH 7b-Pyrido[3,2,1-de][1,5]naphthyridin-7-one,
 3-chloro-4-[(1-[1,4-dihydro-1,4-thiazin-4-yl)methylamino]-3-chloro-2-pyridyl]methyl-4,5-dihydro-, hydrochloride (1:1), (-)- (CA INDEX NAME)

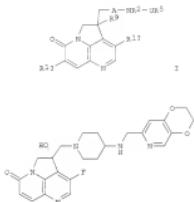
14 ANSWER T OF 19 CAPSULE COPYRIGHT 2008 ACS ON STN (Continued)
 [Therapeutic use]; E10C (Biological study); PREP (Preparation); USES
 [Uses]
 [prepa. of dihydropyrido[2,1-*i*]quinolin-4-one, 1-[{4-[{13,4-dihydro-3-oxo-2*H*-pyrido[3,2-*b*]-1*H*-thiazole-6-yl}methyl]ethyl}-1-piperidinyl]methyl]-1,2-dihydropyridinechloride (CA INDEX NAME)



503

OTHER SOURCE 1828 MARKPAT 347-138205

14 ANSWER 8 OF 19 CAP105 COPYRIGHT 2008 ACS on 879 (Continued)



A8 Tricyclic nitrogen containing compounds of formula I and their use as antibiotics. - Compounds of formula I wherein R₁ and R₂ are isopropylidene, H, benzylidene, 2-methyl-1,3-dihydro-1,3-dioxolane, CF₃CO, phenyl, OH and derivative, NHCO, and derivative, etc.; R₃ is H, Cl-4-alkyl, etc.; R₄ is [un]substituted 4-alkenyl heterocyclics; U is CO and CH₂; R₅ is [un]substituted bicyclic carbocyclic and [un]substituted bicyclic heterocyclic; R₆ is F and OH; and their pharmaceutically acceptable salts, solvated and N-oxides thereof, are claimed. Example compound II was

prepared by a sulfation procedure (procedure given). All the invention compds. were evaluated for their antibacterial activity. The tested compds. had MIC 5-8 μ g/ml. 943024-55-75-75

17 **41:** PAC (Pharmacological activity); RCT (Reactant); STH (Synthetic preparation); THF (Therapeutic use); ECT (Biological study); PKEP (Preparation); NACT (Reactant or reagent); US83 (use); Preparation of pyrazoleaphthyridinones and their use as antibacterial agents.

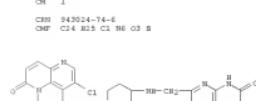
943024-55-3 CAP105
 7E-Pyrido[3,2-1-d]-1,5-naphthyridin-7-one,
 4-[(4-[(3,4-dihydro-3-oxo-2H-
 pyrido[3,2-b]-1,4-thiazin-8-yl)methyl]amino]-1-piperidinyl]methyl]-3-

Fluoro-4,5-dihydro-6-

14 ANSWER 8 OF 19 CAPLOS COPYRIGHT 2008 ACR on STN (Continued)



381 943024-75-7 CAPLOS
 C9 7H-Pyrazolo[3,2,1,3,4]naphthridin-7-one,
 3-chloro-4-[1-[4-[1,3,4-dihydro-
 3-oxo-2H-pyrido[3,2-b]-1,4-thiazin-6-yl)methyl]amino]-1-
 (piperidinylmethyl)-4,5-dihydro-4-hydroxy-, acetate (1:1) (CA INDEX
 NAME)



2

CEN 64x13x7

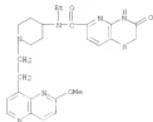
087 C2 114 02



17 943024-54-2P 943024-56-4P 943024-73-5P
943024-74-6P 943025-52-3P

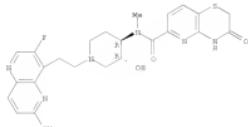
2/19/2008

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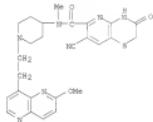


CHI 924278-37-5 CARLOS
2R-Pyrido[3,2-b]-1,4-thiazine-6-carboxamide, N-[1R,4R]-1-[2-(3-fluoro-6-methoxy-1,5-naphthyridin-4-yl)ethyl]-3-hydroxy-4-piperidinyl]-3,4-dihydro-N-methyl-3-oxo- (CA INDEX NAME)

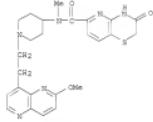
Absolute stereochemistry.



CHI 924278-39-7 CARLOS
2R-Pyrido[3,2-b]-1,4-thiazine-6-carboxamide, N-[1-[2-(3-cyano-6-methoxy-1,5-naphthyridin-4-yl)ethyl]-4-piperidinyl]-3,4-dihydro-N-methyl-3-oxo- (CA INDEX NAME)

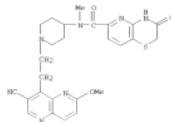


CHI 924278-41-7 CARLOS
2R-Pyrido[3,2-b]-1,4-thiazine-6-carboxamide, 3,4-dihydro-N-[1-(2-(6-methoxy-1,5-naphthyridin-4-yl)ethyl)-4-piperidinyl]-N-methyl-3-oxo- (CA INDEX NAME)

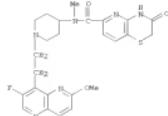


CHI 924278-42-9 CARLOS
2R-Pyrido[3,2-b]-1,4-thiazine-6-carboxamide, 3,4-dihydro-N-[1-(2R)-2-hydroxy-2-(4-methoxy-1,5-naphthyridin-4-yl)ethyl]-4-piperidinyl]-N-methyl-3-oxo- (CA INDEX NAME)

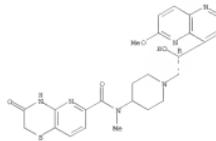
Absolute stereochemistry.



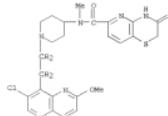
CHI 924278-47-7 CARLOS
2R-Pyrido[3,2-b]-1,4-thiazine-6-carboxamide, N-[1-[2-(3-fluoro-6-methoxy-1,5-naphthyridin-4-yl)ethyl]-4-piperidinyl]-3,4-dihydro-N-methyl-3-oxo- (CA INDEX NAME)



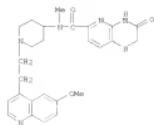
CHI 924278-48-6 CARLOS
2R-Pyrido[3,2-b]-1,4-thiazine-6-carboxamide, 7-cyano-3,4-dihydro-N-[1-(2-(3-cyano-6-methoxy-1,5-naphthyridin-4-yl)ethyl)-4-piperidinyl]-N-methyl-3-oxo- (CA INDEX NAME)



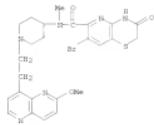
CHI 924278-50-9 CARLOS
2R-Pyrido[3,2-b]-1,4-thiazine-6-carboxamide, N-[1-[2-(3-cyano-6-methoxy-1,5-naphthyridin-4-yl)ethyl]-4-piperidinyl]-3,4-dihydro-N-methyl-3-oxo- (CA INDEX NAME)



CHI 924278-52-4 CARLOS
2R-Pyrido[3,2-b]-1,4-thiazine-6-carboxamide, 3,4-dihydro-N-[1-(2-(6-methoxy-4-piperidinyl)ethyl)-4-piperidinyl]-N-methyl-3-oxo- (CA INDEX NAME)

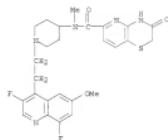


924278-53-5 CARBOS
2b-Pyrido[3,2-b]-1,4-thiazine-4-carboxamide, 7-bromo-2,6-dihydro-8-[1-[2-(4-methoxy-1,3-naphthyridin-4-yl)ethyl]-4-piperidinyl]-N-methyl-3-oxo- (CA INDEX NAME)



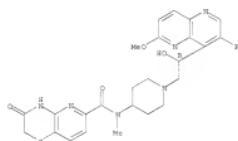
924278-54-6 CARBOS
2b-Pyrido[3,2-b]-1,4-thiazine-4-carboxamide, N-[1-(3b,4b)-3-fluoro-1-[2-(3-fluoro-4-methoxy-1,3-naphthyridin-4-yl)ethyl]-4-piperidinyl]-3,4-dihydro-N-methyl-3-oxo- (CA INDEX NAME)

Absolute stereochemistry.



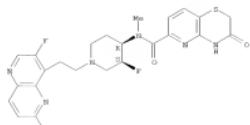
924278-61-5 CARBOS
2b-Pyrido[3,2-b]-1,4-thiazine-6-carboxamide, N-[1-(1b)-2-(3-fluoro-6-methoxy-1,5-naphthyridin-4-yl)-2-hydroxyethyl]-4-piperidinyl]-3,4-dihydro-N-methyl-3-oxo- (CA INDEX NAME)

Absolute stereochemistry.

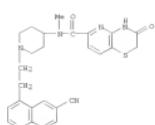


924278-62-6 CARBOS
2b-Pyrido[3,2-b]-1,4-thiazine-6-carboxamide, N-[1-(3b,4b)-1-[2-(3-fluoro-6-methoxy-1,5-naphthyridin-4-yl)ethyl]-3-hydroxy-4-piperidinyl]-3,4-dihydro-N-methyl-3-oxo- (CA INDEX NAME)

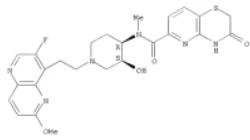
Absolute stereochemistry.



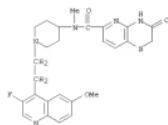
924278-55-7 CARBOS
2b-Pyrido[3,2-b]-1,4-thiazine-6-carboxamide, N-[1-[2-(4-cyano-4-quinolyl)ethyl]-4-piperidinyl]-3,4-dihydro-N-methyl-3-oxo- (CA INDEX NAME)



924278-59-1 CARBOS
2b-Pyrido[3,2-b]-1,4-thiazine-6-carboxamide, N-[1-[2-(3,5-difluoro-6-methoxy-4-quinolyl)ethyl]-4-piperidinyl]-3,4-dihydro-N-methyl-3-oxo- (CA INDEX NAME)

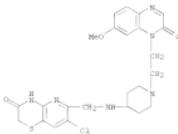


924279-60-7 CARBOS
2b-Pyrido[3,2-b]-1,4-thiazine-6-carboxamide, N-[1-(3-fluoro-6-methoxy-4-quinolyl)ethyl]-4-piperidinyl]-3,4-dihydro-N-methyl-3-oxo- (CA INDEX NAME)



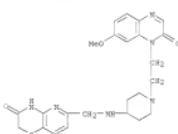
924279-65-0 CARBOS
2b-Pyrido[3,2-b]-1,4-thiazine-6-carboxamide, N-[1-(3,4-dihydro-2-methyl-2H-pyrido[2,3-b]-1,4-thiazin-6-yl)ethyl]-4-piperidinyl]-3,4-dihydro-N-methyl-3-oxo- (CA INDEX NAME)

(Cont'd from p. 1)



320 917632-41-5 CAPLOS
 Carbanic acid,
 N-[7-chloro-1,4-dihydro-3-oxo-2H-pyrido[3,2-b]-1,4-thiazin-4-yl]methyl]-N-[1-(2-[7-methoxy-2-oxo-3-[2H]-quinoxalinal-1-yl]-4-piperidinyl)-1,1-dimethylethyl ester (CA INDEX NAME)

14 ANSWER 11 OF 13 CAPTION COPYRIGHT 2000 ACS 09 8279 (Continued)



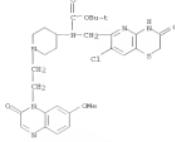
300 823810-28-4 GMPC 773

300 921030-33-4 CAPU09
C31 4-Quinolincarboxamide

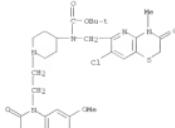
1-[2-[(3,4-dihydro-3-oxo-2H-pyrido[3,2-*b*]-1,4-thiazin-6-yl)methyl]amino]-1-piperidinyl]ethyl]-1,2-dihydro-7-methoxy-N-methyl-2-oxo- (CA INDEX NAME)

14 ANNUAL 11 OF 13 CANAD. COPYRIGHT 2008 ACS OR 5701

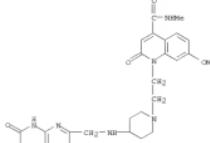
(Cont'd from p. 1)



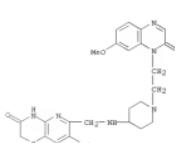
RR 937823-42-9 CAPLOS
C9 Carboxylic acid, N-[1-(7-chloro-3,4-dihydro-4-methyl-2-oxo-2H-pyrazolo[3,2-b]1,4-thiazin-6-yl)methyl]-N-[1-[2-(7-methoxy-2-oxo-1(2H)-quinoxalinyl)ethyl]-4-piperidinyl]-, 1,1-dimethylethyl ester (CA INDEX NAME)



14 NUMBER 13 OF 13 CARDS COPYRIGHT 2000 ACS on 529 (Continued)



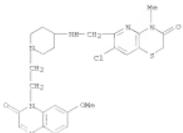
INN 917832-24-7 CAPLOS
CN 2B-Pyrido[3,2-b]-1,4-thiaxin-3(4E)-one, 7-chloro-6-[[1-[2-(7-methoxy-2-



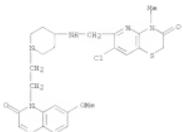
3

RI 917832-43-0 CAPLOS
CN 28-Pyrido[3,2-b]-1,4-thiazin-3(4H)-one, 7-chloro-6-[[1-[2-(7-methoxy-2-

14 NUMBER 11 OF 32 CANADA COPYRIGHT 2000 AGS LTD. (CONTINUED)



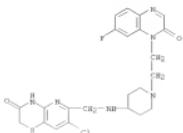
917832-44-1 CAPLOCS
2S-Pyrido[1,2-b]-1,4-thiazin-3(4H)-one, 7-chloro-6-[(1-[2-(7-methoxy-2-oxo-1(2E)-quinozalinyl)ethyl]-4-piperidinyl)amino]methyl-4-methyl-, hydrochloride (1:1) (CA INDEX NAME)



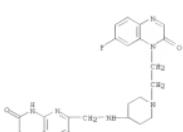
100

INN 917832-47-4 CAPROS
 CAS 28-Pyridine[3,2-b]-1,4-thiazin-3(4H)-one,
 7-chloro-6-((1-[2-(7-fluoro-2-oxo-
 1(2E)-quinoxalinyl)ethyl]-4-piperidinyl)amino)methyl)- (CA INDEX NAME)

M4 ANSWER 11 OF 12 CAPTION: COPYRIGHT 2008 ACE on EARTH (Continued)

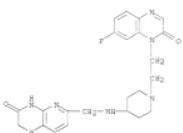


BN 917032-48-5 CAPLOP
 CN 2H-Pyrido[1,2-b]-1,4-thiazin-3(4H)-one,
 7-chloro-6-[(1-[2-(7-fluoro-2-oxo-
 1,2,3-oxadiazolyl)ethyl]-4-piperidinyl)amino]methyl-, hydrochloride
 (1:1.25 eq. excess water).

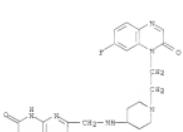


HN 917832-49-6 CAPLUS
CN 2H-Pyrido[3,2-b]1,4-thiazin-3(4E)-one, 6-[[[1-2-[7-Fluoro-2-oxo-1(2H)-

14 AUGUST 2008 CARDOZO ET AL. / ENVIRONMENTAL POLYMER POLLUTION (Continued)

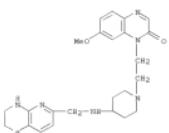


INN 917832-50-9 CAPLOB
 CAS 2E-Pyrido[3,2-b]1,4-thiazin-3(4H)-one, 6-[(1-[2-(7-fluoro-2-oxo-1(2H)-quinazolinyl)ethyl]-4-piperidinyl)amino]methyl-, hydrochloride (1:1)
 (CA)



93 917832-96-3 CAPLUS
CN 2-[1H]-Quinoxalimone,
1-[2-[4-[1-[3,4-dihydro-2H-pyrido[3,2-b]1,4-thiazin-6-

14 ANSWER 11 OF 19 CARDS. COPYRIGHT 2008 ACS on SCN (Continued)



BN 917832-97-4 CAPLUS
 CN 2(1H)-Quinomalinone,
 1-[2-[4-[(3,4-dihydro-2H-pyrido[3,2-b]1,4-thiazin-6-yl)methyl]anilino]-1-piperidinyl]ethyl]-7-methoxy-, hydrochloride (1:7)



REFERENCE COUNTY:
THIS

THERE ARE 45 CITED REFERENCES AVAILABLE FOR

14 ANSWER 13 OF 19 CARLOS COPYRIGHT 2008 ACS ON STN

200810505239 CARLOS (Continued)

DOCUMENT NUMBER:

1451377363

DOCUMENT NUMBER:

Quinolines, β -amino alcohol and their preparation

TITLE:

Quinolines, β -amino alcohol and their preparation

Hauschwerlein, Christian; Boulvet, Jean-Philippe;

Touze, Jean-Pierre; Arribalzaga, Pericet, A.-G.; Potts,

PCT Int. Appl., 32pp.

COSTA, PEIXAO

patent

COSTA, PEIXAO

English

DOCUMENT TYPE:

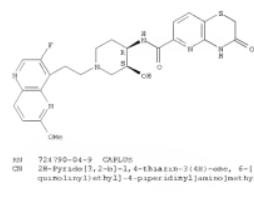
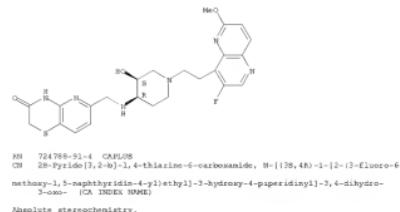
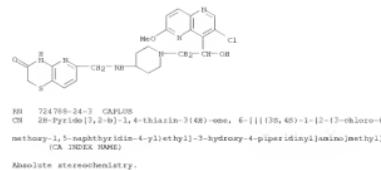
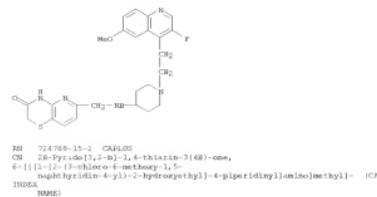
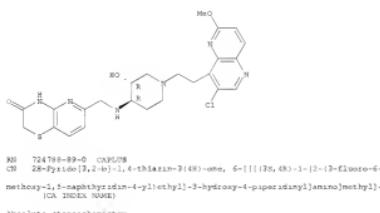
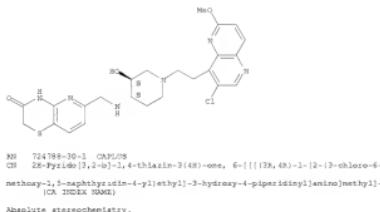
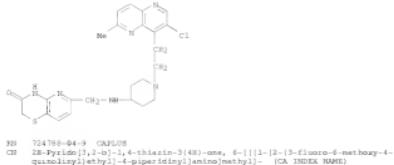
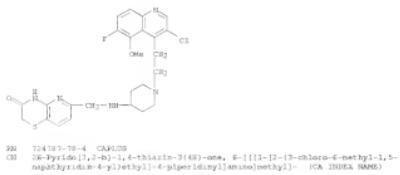
DOCUMENT

FAMILY ACC NUM COUNT:

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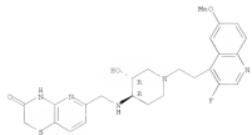
PATENT INFORMATION:

IN



724790-56-1 CARLOS
2R-Pyrido[1,2-b]-1,4-thiazin-3(4H)-one, 6-[[[1R,4R]-1-[2-(3-fluoro-6-methoxy-4-pyridinyl)ethyl]-3-hydroxy-4-piperidinyl]amino]methyl] = (CA INDEX NAME)

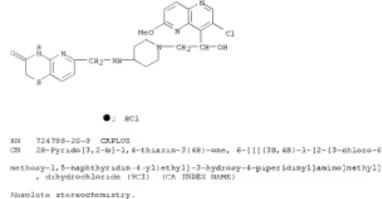
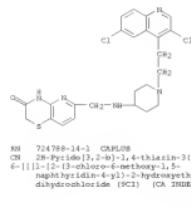
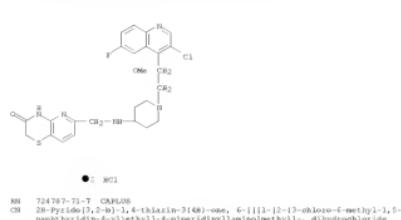
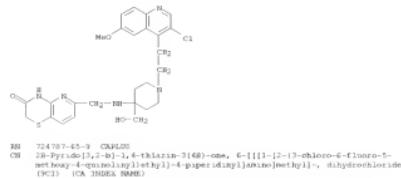
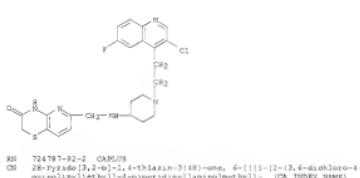
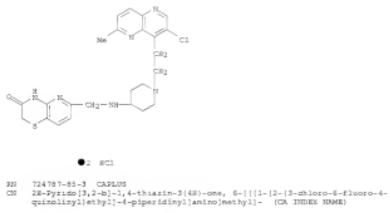
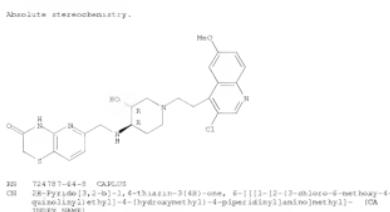
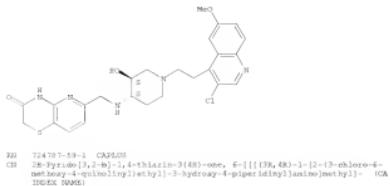
Absolute stereochemistry

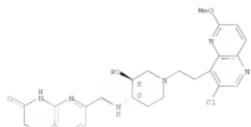


322 724790-72-1 CAPLUS
 C32 2E-Pyridole[3,2-b]-1,4-thiazin-3(4H)-one, 6-[{[(3S,4R)-1-[2-(3-chloro-8-fluoro-5-methoxy-4-quinoliny)ethyl]-3-hydroxy-4-piperidinyl]amino}methyl]-
 ICA 130242 (NAME)

Absolute stereochemistry

14 ANSWER 16 OF 19 CARLOS COPYRIGHT 2008 AGS on 529 (Continued)

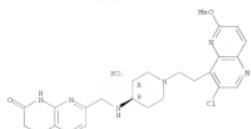




● HCl

32 724789-21-2 CAPLOS
 28 2H-Pyrido[3,2-b]-1,4-thiazin-3(4H)-one, 6-[[{[(3a,4a)-1-[2-(3-chloro-6-methoxy-1,5-naphthyridin-4-yl)ethyl]-3-hydroxy-4-piperidinyl]anino}methyl]-, dihydrochloride (HCl) (CA INDEX NAME)

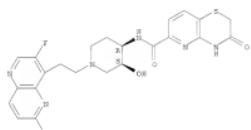
Absolute stereochemistry.



● HCl

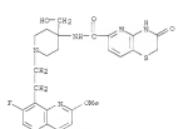
32 724788-93-4 CAPLOS
 28 2H-Pyrido[3,2-b]-1,4-thiazin-6-carboamide, 7-fluoro-6-[1-[2-(3-fluoro-6-

Absolute stereochemistry.



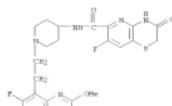
● HCl

32 724789-13-1 CAPLOS
 28 2H-Pyrido[3,2-b]-1,4-thiazin-6-carboamide, N-[1-[2-(3-fluoro-6-methoxy-1,5-naphthyridin-4-yl)ethyl]-4-(hydroxymethyl)-4-piperidinyl]-3,4-dihydro-3-oxo- (CA INDEX NAME)



32 724788-57-5 CAPLOS
 28 2H-Pyrido[3,2-b]-1,4-thiazin-6-carboamide, N-[1-[2-(3-fluoro-6-methoxy-4-piperidinyl)ethyl]-4-piperidinyl]-3,4-dihydro-3-oxo- (CA INDEX NAME)

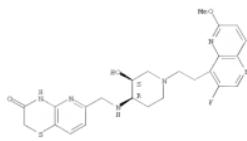
14 ANSWER 16 OF 19 CARLOS COPYRIGHT 2008 ACS on STN (Continued)
 28 2H-Pyrido[3,2-b]-1,4-thiazin-3(4H)-one, 6-[[{[(3a,4a)-1-[2-(3-chloro-6-methoxy-1,5-naphthyridin-4-yl)ethyl]-3-hydroxy-4-piperidinyl]anino}methyl]-, dihydrochloride (HCl) (CA INDEX NAME)



32 724789-87-8 CAPLOS

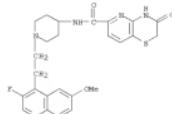
28 2H-Pyrido[3,2-b]-1,4-thiazin-3(4H)-one, 6-[[{[(3a,4a)-1-[2-(3-chloro-6-methoxy-1,5-naphthyridin-4-yl)ethyl]-3-hydroxy-4-piperidinyl]anino}methyl]-, dihydrochloride (HCl) (CA INDEX NAME)

Absolute stereochemistry.



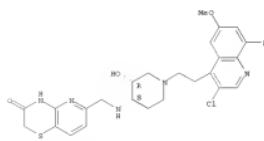
● HCl

32 724789-90-2 CAPLOS
 28 2H-Pyrido[3,2-b]-1,4-thiazin-6-carboamide, N-[1-(3,4a)-1-[2-(3-fluoro-6-methoxy-1,5-naphthyridin-4-yl)ethyl]-3-hydroxy-4-piperidinyl]-3,4-dihydro-3-oxo-, hydrochloride (HCl) (CA INDEX NAME)

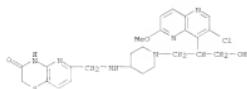


32 724789-48-8 CAPLOS
 28 2H-Pyrido[3,2-b]-1,4-thiazin-3(4H)-one, 6-[[{[(3a,4a)-1-[2-(3-chloro-6-fluoro-4-methoxy-4-piperidinyl)ethyl]-3-hydroxy-4-piperidinyl]anino}methyl]-, dihydrochloride (HCl) (CA INDEX NAME)

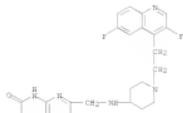
Absolute stereochemistry.



32 724789-99-5 CAPLOS
 28 2H-Pyrido[3,2-b]-1,4-thiazin-3(4H)-one, 6-[[{[(3a,4a)-1-[2-(3-chloro-6-methoxy-1,5-naphthyridin-4-yl)ethyl]-3-hydroxypropyl]-4-piperidinyl]anino}methyl]-, dihydrochloride (HCl) (CA INDEX NAME)



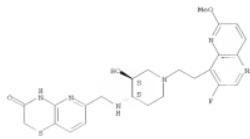
RI 724790-00-5 CARLOS
CH 2H-Pyrido[3,2-b]1,4-thiazin-3(4H)-one, 6-[(1-[2-(3,4-difluoro-4-piperidinyl)ethyl]-4-piperidinylamino)methyl]-, dihydrochloride (HCl)
(CA INDEX NAME)



RI 724790-11-8 CARLOS
CH 2H-Pyrido[3,2-b]1,4-thiazin-3(4H)-one, 6-[(1-[3S,4S]-1-[2-(3-fluoro-6-methoxy-1,3-oxaphosphetidin-4-yl)ethyl]-3-hydroxy-4-piperidinylamino)methyl]-, dihydrochloride (HCl) (CA INDEX NAME)

Absolute stereochemistry.

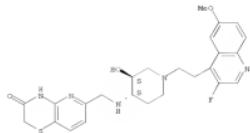
● 2 HCl



RI 724790-16-3 CARLOS
CH 2H-Pyrido[3,2-b]1,4-thiazin-3(4H)-one, 6-[(1-[3S,4S]-1-[2-(3-fluoro-6-methoxy-4-piperidinyl)ethyl]-3-hydroxy-4-piperidinylamino)methyl]-, dihydrochloride (HCl) (CA INDEX NAME)

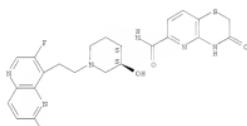
Absolute stereochemistry.

● 2 HCl



RI 724790-17-4 CARLOS
CH 2H-Pyrido[3,2-b]1,4-thiazin-4-carboxamide, N-[(3S,4S)-1-[2-(3-fluoro-6-methoxy-1,3-oxaphosphetidin-4-yl)ethyl]-3-hydroxy-4-piperidinyl]-, 4-dihydro-

Absolute stereochemistry.



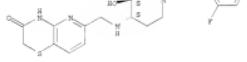
RI 724790-55-0 CARLOS
CH 2H-Pyrido[3,2-b]1,4-thiazin-3(4H)-one, 6-[(1-[3S,4S]-1-[2-(3-fluoro-6-methoxy-1,3-oxaphosphetidin-4-yl)ethyl]-3-hydroxy-3-methoxy-4-piperidinylamino)methyl]-, rel- (CA INDEX NAME)

Relative stereochemistry.

● 2 HCl

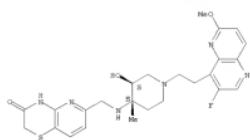
RI 724790-75-2 CARLOS
CH 2H-Pyrido[3,2-b]1,4-thiazin-3(4H)-one, 6-[(1-[3S,4S]-1-[2-(3-fluoro-6-methoxy-1,3-oxaphosphetidin-4-yl)ethyl]-3-hydroxy-4-methyl-4-piperidinylamino)methyl]-, rel- (CA INDEX NAME)

Relative stereochemistry.



RI 724790-75-2 CARLOS
CH 2H-Pyrido[3,2-b]1,4-thiazin-3(4H)-one, 6-[(1-[3S,4S]-1-[2-(3-fluoro-6-methoxy-1,3-oxaphosphetidin-4-yl)ethyl]-3-hydroxy-4-methyl-4-piperidinylamino)methyl]-, rel- (CA INDEX NAME)

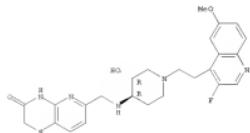
Relative stereochemistry.



RI 724790-55-0 CARLOS
CH 2H-Pyrido[3,2-b]1,4-thiazin-3(4H)-one, 6-[(1-[3S,4S]-1-[2-(3-fluoro-6-methoxy-1,3-oxaphosphetidin-4-yl)ethyl]-3-hydroxy-4-piperidinylamino)methyl]-, dihydrochloride (HCl) (CA INDEX NAME)

Absolute stereochemistry.

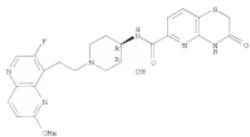
● 2 HCl



RI 724790-57-2 CARLOS
CH 2H-Pyrido[3,2-b]1,4-thiazin-4-carboxamide, N-[(3S,4S)-1-[2-(3-fluoro-6-methoxy-1,3-oxaphosphetidin-4-yl)ethyl]-3-hydroxy-4-piperidinyl]-, 4-dihydro-

Absolute stereochemistry.

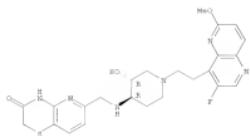
● 2 HCl



● HCl

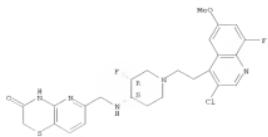
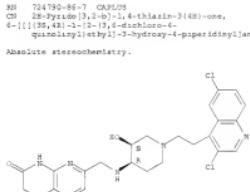
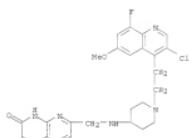
724790-58-3 CAPLUS
 CH 2R-Pyrido[3,2-b]-1,4-thiazin-3(4H)-one, 6-[[[(3R,4S)-1-[2-(3-fluoro-4-methoxy-1,5-naphthyridin-4-yl)ethyl]-3-hydroxy-4-piperidinylamino]methyl]- (CA INDEX NAME)

Absolute stereochemistry.



724790-66-7 CAPLUS
 CH 2R-Pyrido[3,2-b]-1,4-thiazin-3(4H)-one, 6-[[[(3R,4S)-1-[2-(3-chloro-8-fluoro-4-methoxy-4-quinolyl)ethyl]-3-hydroxy-4-piperidinylamino]methyl]-, rel- (CA INDEX NAME)

Relative stereochemistry.

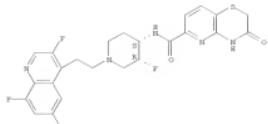


R=H

724790-49-5 CAPLUS

CH 2R-Pyrido[3,2-b]-1,4-thiazin-6-carboxamide, N-[(3R,4S)-1-[2-(3,4-difluoro-6-methoxy-4-quinolyl)ethyl]-3-hydroxy-4-piperidinyl] (CA INDEX NAME)

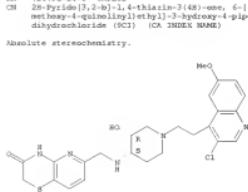
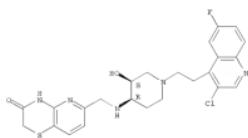
Relative stereochemistry.

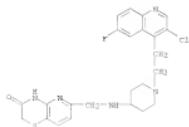


724790-79-8 CAPLUS

CH 2R-Pyrido[3,2-b]-1,4-thiazin-3(4H)-one, 6-[[[(3S,4R)-1-[2-(3-chloro-6-methoxy-4-quinolyl)ethyl]-4-piperidinyl]amino]methyl]- (CA INDEX NAME)

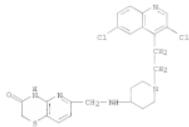
Relative stereochemistry.





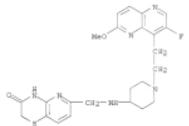
● 2. HCl

IN 724791-43-3 CAPLOS
 CH 2B-Pyrido[3,2-b]-1,4-thiazin-3(4H)-one, 6-[[1-[2-(3,4-dichloro-4-quinoliny)ethyl]-4-piperidinylamino]methyl]-, dihydrochloride (HCl)
 (CA INDEX NAME)



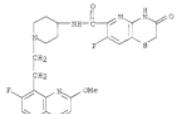
● 2. HCl

IN 724791-45-3 CAPLOS
 CH 2B-Pyrido[3,2-b]-1,4-thiazin-3(4H)-one, 6-[[1-[2-(3-fluoro-6-methoxy-4-quinoliny)ethyl]-4-piperidinylamino]methyl]-, dihydrochloride (HCl)
 (CA INDEX NAME)



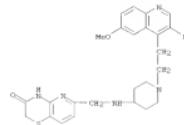
● 2. HCl

IN 724791-47-7 CAPLOS
 CH 2B-Pyrido[3,2-b]-1,4-thiazin-6-carboxamide, 7-fluoro-N-(1-[2-(3-fluoro-6-methoxy-4-phenyl-1-oxo-4-azabicyclo[4.2.2]butyl)-4-piperidinyl]-3,4-dihydro-2-oxo-, dihydrochloride (HCl) (CA INDEX NAME)



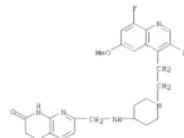
● 2. HCl

IN 724791-49-5 CAPLOS
 CH 2B-Pyrido[3,2-b]-1,4-thiazin-6-carboxamide, N-[1-[2-(3-(3-fluoro-6-methoxy-1-methylhydrazin-4-yl)ethyl)-4-piperidinyl]-3,4-dihydro-3-oxo- (CA INDEX NAME)



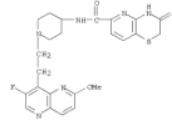
● 2. HCl

IN 724791-50-6 CAPLOS
 CH 2B-Tyrido[3,2-b]-1,4-thiazin-3(4H)-one, 6-[[1-[2-(3,4-difluoro-6-methoxy-4-quinoliny)ethyl]-4-piperidinylamino]methyl]-, dihydrochloride (HCl) (CA INDEX NAME)



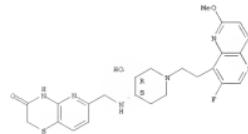
● 2. HCl

IN 724791-60-0 CAPLOS
 CH 2B-Pyrido[3,2-b]-1,4-thiazin-3(4H)-one, 6-[[1-[2-(3,4-difluoro-6-methoxy-1-methylhydrazin-4-yl)ethyl]-4-piperidinylamino]methyl]-, dihydrochloride



IN 724791-68-8 CAPLOS
 CH 2B-Pyrido[3,2-b]-1,4-thiazin-3(4H)-one, 6-[[1-(3R,4S)-4,5-dihydro-4-piperidinylamino]methyl]-, dihydrochloride (HCl) (CA INDEX NAME)

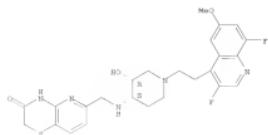
Absolute stereochemistry.



● 2. HCl

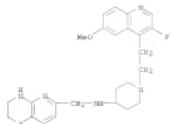
IN 724791-71-2 CAPLOS
 CH 2B-Pyrido[3,2-b]-1,4-thiazin-3(4H)-one, 6-[[1-(3R,4S)-4,5-dihydro-4-methoxy-4-(quinoliny)ethyl]-7-hydroxy-4-piperidinylamino]methyl]-, dihydrochloride (HCl) (CA INDEX NAME)

Absolute stereochemistry.



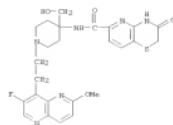
● 2 HCl

32 724791-79-0 CAPLUS
 CH 2B-Pyrido[3,2-b]-1,4-thiazine-4-methanamine,
 H-[1-(2-[3-(4-hydroxy-4-methoxy-4,5-dihydro-1H-thiazine-6-carboxamido)ethyl]-4-piperidinyl)-3,4-dihydro-, dihydrochloride (HCl) (CA INDEX NAME)



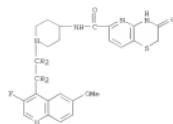
● 2 HCl

32 724791-85-9 CAPLUS
 CH 2B-Pyrido[3,2-b]-1,4-thiazine-6-carboxamide, N-[1-[2-(3-fluoro-6-methoxy-3,5-naphthyridin-4-yl)ethyl]-4-(hydroxymethyl)-4-piperidinyl]-3,4-dihydro-3-oxo-, monohydrochloride (HCl) (CA INDEX NAME)



● 2 HCl

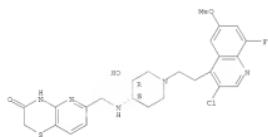
32 724791-87-5 CAPLUS
 CH 2B-Pyrido[3,2-b]-1,4-thiazine-4-carboxamide,
 H-[1-(2-[3-(4-hydroxy-4-methoxy-4,5-dihydro-1H-thiazine-6-carboxamido)ethyl]-4-piperidinyl)-3,4-dihydro-3-oxo-, monohydrochloride (HCl) (CA INDEX NAME)



● 2 HCl

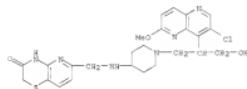
32 724791-89-6 CAPLUS
 CH 2B-Pyrido[3,2-b]-1,4-thiazin-3(4H)-one, 6-[[[(2R,4S)-1-[2-(3-chloro-5-fluoro-4-methoxy-4-piperidinyl)ethyl]-3-hydroxy-4-piperidinyl]amino]methyl]-, dihydrochloride (HCl) (CA INDEX NAME)

Absolute stereochemistry.



● 2 HCl

32 724791-91-7 CAPLUS
 CH 2B-Pyrido[3,2-b]-1,4-thiazin-3(4H)-one,
 6-[[[(2R,4S)-1-[2-(3-chloro-5-fluoro-4-methoxy-4-piperidinyl)-3-hydroxypropyl]-4-piperidinyl]amino]methyl]-, dihydrochloride (HCl) (CA INDEX NAME)



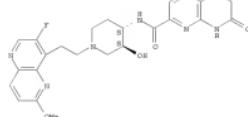
● 2 HCl

32 724791-97-3 CAPLUS
 CH 2B-Pyrido[3,2-b]-1,4-thiazine-6-carboxamide, N-[1-(2S,4S)-1-[2-(3-chloro-5-

methoxy-1,5-naphthyridin-4-yl)ethyl]-3-hydroxy-4-piperidinyl]-3,4-dihydro-3-oxo-, hydrochloride (HCl) (CA INDEX NAME)

Absolute stereochemistry.

Relative stereochemistry.

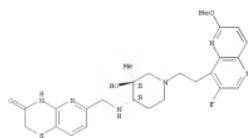


● 2 HCl

32 724791-98-4 CAPLUS
 CH 2B-Pyrido[3,2-b]-1,4-thiazin-3(4H)-one, 6-[[[(2R,4S)-1-[2-(3-chloro-5-

methoxy-1,5-naphthyridin-4-yl)ethyl]-3-hydroxy-3-methyl-4-piperidinyl]amino]methyl]-, dihydrochloride, *rel.* (HCl) (CA INDEX NAME)

Relative stereochemistry.



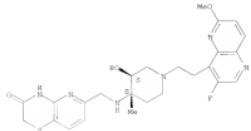
● 2 HCl

32 724792-00-0 CAPLUS
 CH 2B-Pyrido[3,2-b]-1,4-thiazin-3(4H)-one, 6-[[[(2R,4S)-1-[2-(3-chloro-5-

methoxy-1,5-naphthyridin-4-yl)ethyl]-3-hydroxy-4-methyl-4-piperidinyl]amino]methyl]-, dihydrochloride, *rel.* (HCl) (CA INDEX NAME)

Relative stereochemistry.

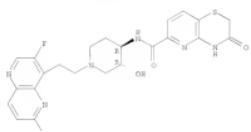
14 ANSWER 16 OF 19 CAPLUS COPYRIGHT 2008 ACS ON STN (Continued)

(Continued)
14 ANSWER 16 OF 19 CAPLUS COPYRIGHT 2008 ACS ON STN (Continued)
CH 2H-Pyrido[3,2-b]-1,4-thiazin-4-carboxamide, N-[3a,4a]-1-[2-(3-fluoro-6-methoxy-1,5-naphthyridin-4-yl)ethyl]-3-hydroxy-4-piperidinyl]-3,4-dihydro-3-oxo-, monohydrochloride (HCl) (CA INDEX NAME)

● HCl

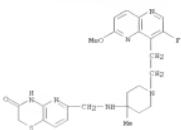
NI 724792-91-9 CAPLUS
CH 2H-Pyrido[3,2-b]-1,4-thiazin-4-carboxamide, N-[3a,4a]-1-[2-(3-fluoro-6-methoxy-1,5-naphthyridin-4-yl)ethyl]-3-hydroxy-4-piperidinyl]-3,4-dihydro-3-oxo-, monohydrochloride (HCl) (CA INDEX NAME)

Absolute stereochemistry.



● HCl

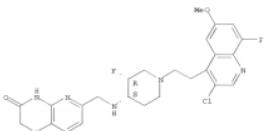
NI 724792-12-3 CAPLUS
CH 2H-Pyrido[3,2-b]-1,4-thiazin-3(4H)-one,
6-{[1-(2-(3-fluoro-6-methoxy-1,5-



● HCl

NI 724792-15-8 CAPLUS
CH 2H-Pyrido[3,2-b]-1,4-thiazin-3(4H)-one, 6-{[1-(3a,4a)-1-[2-(3-chloro-6-fluoro-4-methoxy-4-piperidinyl)ethyl]-3-fluoro-4-piperidinyl]amino}methyl-, dihydrochloride, *rel*-(+)- (HCl) (CA INDEX NAME)

Relative stereochemistry.

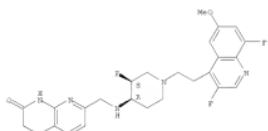


● HCl

NI 724792-22-7 CAPLUS

14 ANSWER 16 OF 19 CAPLUS COPYRIGHT 2008 ACS ON STN (Continued)
CH 2H-Pyrido[3,2-b]-1,4-thiazin-3(4H)-one,
6-{[1-(2-(3-fluoro-6-methoxy-1,5-naphthyridin-4-yl)ethyl)-3-hydroxy-4-piperidinyl]amino}methyl-, dihydrochloride, *rel*-(+)- (HCl) (CA INDEX NAME)

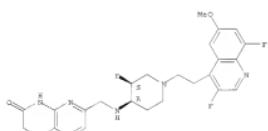
Rotation (+). Absolute stereochemistry unknown.



● HCl

NI 724792-23-8 CAPLUS
CH 2H-Pyrido[3,2-b]-1,4-thiazin-3(4H)-one,
6-{[1-(3a,4a)-1-[2-(3,9-difluoro-6-methoxy-1,5-naphthyridin-4-yl)ethyl]-3-fluoro-4-piperidinyl]amino}methyl-, dihydrochloride, *rel*-(+)- (HCl) (CA INDEX NAME)

Rotation (-). Absolute stereochemistry unknown.



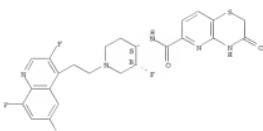
● HCl

NI 724792-24-9 CAPLUS

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14 ANSWER 16 OF 19 CAPLUS COPYRIGHT 2008 ACS ON STN (Continued)
CH 2H-Pyrido[3,2-b]-1,4-thiazin-4-carboxamide,
6-{[1-(3a,4a)-1-[2-(3-chloro-6-methoxy-4-piperidinyl)ethyl]-3-hydroxy-4-piperidinyl]amino}methyl-, dihydrochloride (HCl) (CA INDEX NAME)

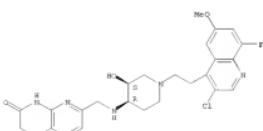
Relative stereochemistry.



● HCl

NI 724792-25-0 CAPLUS
CH 2H-Pyrido[3,2-b]-1,4-thiazin-3(4H)-one, 6-{[1-(3a,4a)-1-[2-(3-chloro-6-fluoro-4-methoxy-4-piperidinyl)ethyl]-3-hydroxy-4-piperidinyl]amino}methyl-, dihydrochloride (HCl) (CA INDEX NAME)

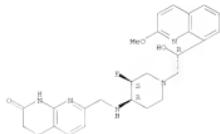
Absolute stereochemistry.



● HCl

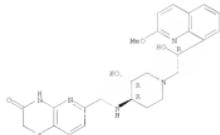
NI 724792-23-8 CAPLUS

2/19/2008



RU 642478-74-2 CAPLUS
2H-Pyrido[3,2-b]-1,4-thiazin-2(4H)-one, 6-[[[[2H,4H]-3-hydroxy-1-[(2R)-2-hydroxy-2-(2-methoxy-5-quinolonyl)ethyl]-4-piperidinyl]amino]methyl]-
(CA INDEX NAME)

Absolute stereochemistry.

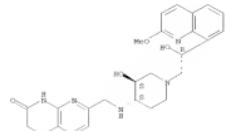


RU 642478-77-3 CAPLUS
2H-Pyrido[3,2-b]-1,4-thiazin-2(4H)-one, 6-[[[[2H,4H]-3-hydroxy-1-[(2R)-2-hydroxy-2-(2-methoxy-5-quinolonyl)ethyl]-4-piperidinyl]amino]methyl]-
(CA INDEX NAME)

Absolute stereochemistry.

RU 642478-47-59 CAPLUS
2H-Pyrido[3,2-b]-1,4-thiazin-2(4H)-one, 6-[[[[2H,4H]-3-hydroxy-2-(3-methoxy-5-quinolonyl)ethyl]-4-piperidinyl]amino]methyl]-
(CA INDEX NAME)

Absolute stereochemistry.



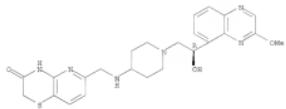
RU 642478-47-59 CAPLUS
2H-Pyrido[3,2-b]-1,4-thiazin-2(4H)-one, 6-[[[[2H,4H]-3-hydroxy-1-[(2R)-2-hydroxy-2-(2-methoxy-5-quinolonyl)ethyl]-4-piperidinyl]amino]methyl]-
(CA INDEX NAME)

Absolute stereochemistry.



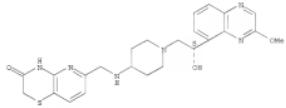
IT 642478-47-59 642478-48-49
RU RLU (Purification or recovery); SPM (Synthetic preparation); PREP (Preparation)
RU (Preparation of
[[1-pyrido[3,2-b][1,4]thiazinyl]methyl]amino)piperidines and
RU analogs as antibacterial agents)
RU 642478-48-49
CH 2H-Pyrido[3,2-b]-1,4-thiazin-2(4H)-one, 6-[[[[2H,4H]-3-hydroxy-2-(3-methoxy-5-quinolonyl)ethyl]-4-piperidinyl]amino]methyl]-
(CA INDEX NAME)

Absolute stereochemistry.



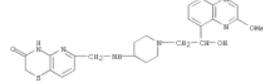
RU 642478-48-5 CAPLUS
2H-Pyrido[3,2-b]-1,4-thiazin-2(4H)-one, 6-[[[[2H,4H]-2-hydroxy-2-(3-methoxy-5-quinolonyl)ethyl]-4-piperidinyl]amino]methyl]-
(CA INDEX NAME)

Absolute stereochemistry.



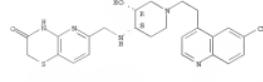
IT 642478-41-97 642478-45-30 642478-49-72
RU RLU (Rearrangement); SPM (Synthetic preparation); PREP (Preparation); RACT (Rearrangement);
RU (Preparation of
[[1-pyrido[3,2-b][1,4]thiazinyl]methyl]amino)piperidines and
RU analogs as antibacterial agents)
RU 642478-41-9 CAPLUS
CH 2H-Pyrido[3,2-b]-1,4-thiazin-2(4H)-one, 6-[[[[2-hydroxy-2-(3-methoxy-5-quinolonyl)ethyl]-4-piperidinyl]amino]methyl]-
(CA INDEX NAME)

Absolute stereochemistry.



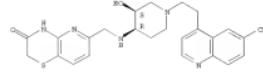
RU 642478-41-9 CAPLUS
6-Quinolinesulfonylurea, 4-[[2-[(2S,4S)-4-[(2S,4S)-4-hydroxy-1-piperidinyl]ethyl]amino]-3-hydroxy-1-
piperidinyl]ethyl]-
(CA INDEX NAME)

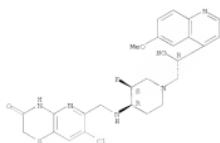
Absolute stereochemistry.



RU 642478-41-9 CAPLUS
6-Quinolinesulfonylurea, 4-[[2-[(2S,4S)-4-[(2S,4S)-4-hydroxy-1-piperidinyl]ethyl]amino]-3-hydroxy-1-
piperidinyl]ethyl]-
(CA INDEX NAME)

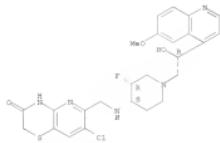
Absolute stereochemistry.





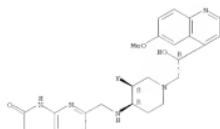
39
2b-Pyrido[3,2-b]-1,4-thiazin-3(4H)-one, 7-chloro-6-[[((39,4S)-3-fluoro-1-[(2R)-2-hydroxy-2-(4-methoxy-4-piperidinyl)ethyl]-4-piperidinyl)amino]methyl]- (CA INDEX NAME)

Absolute stereochemistry.



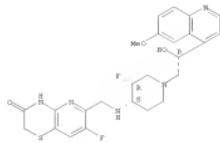
39
577491-76-0 CARLOS
2b-Pyrido[3,2-b]-1,4-thiazin-3(4H)-one, 7-fluoro-6-[[((39,4S)-3-fluoro-1-[(2R)-2-hydroxy-2-(4-methoxy-4-piperidinyl)ethyl]-4-piperidinyl)amino]methyl]- (CA INDEX NAME)

Absolute stereochemistry.



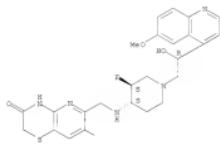
39
577491-77-1 CARLOS
2b-Pyrido[3,2-b]-1,4-thiazin-3(4H)-one, 7-fluoro-6-[[((39,4S)-3-fluoro-1-[(2R)-2-hydroxy-2-(4-methoxy-4-piperidinyl)ethyl]-4-piperidinyl)amino]methyl]- (CA INDEX NAME)

Absolute stereochemistry.



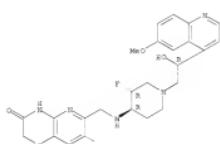
39
577491-78-2 CARLOS
2b-Pyrido[3,2-b]-1,4-thiazin-3(4H)-one, 6-[[((39,4S)-3-fluoro-1-[(2R)-2-hydroxy-2-(4-methoxy-4-piperidinyl)ethyl]-4-piperidinyl)amino]methyl]- (CA INDEX NAME)

Absolute stereochemistry.



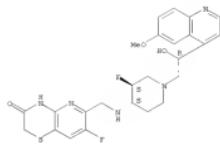
39
577491-92-0 CARLOS
2b-Pyrido[3,2-b]-1,4-thiazin-3(4H)-one, 6-[[((39,4S)-3-fluoro-1-[(2R)-2-hydroxy-2-(4-methoxy-4-piperidinyl)ethyl]-4-piperidinyl)amino]methyl]- (CA INDEX NAME)

Absolute stereochemistry.



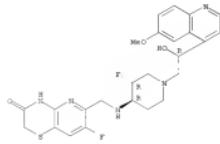
39
577491-98-6 CARLOS
2b-Pyrido[3,2-b]-1,4-thiazin-3(4H)-one, 7-fluoro-6-[[((39,4S)-3-fluoro-1-[(2R)-2-hydroxy-2-(4-methoxy-4-piperidinyl)ethyl]-4-piperidinyl)amino]methyl]- (CA INDEX NAME)

Absolute stereochemistry.



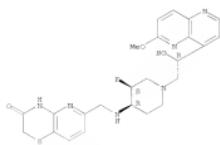
39
577491-99-7 CARLOS
2b-Pyrido[3,2-b]-1,4-thiazin-3(4H)-one, 7-fluoro-6-[[((39,4S)-3-fluoro-1-[(2R)-2-hydroxy-2-(4-methoxy-4-piperidinyl)ethyl]-4-piperidinyl)amino]methyl]- (CA INDEX NAME)

Absolute stereochemistry.



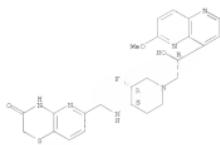
39
577491-99-8 CARLOS
2b-Pyrido[3,2-b]-1,4-thiazin-3(4H)-one, 6-[[((39,4S)-3-fluoro-1-[(2R)-2-hydroxy-2-(4-methoxy-4-piperidinyl)ethyl]-4-piperidinyl)amino]methyl]- (CA INDEX NAME)

Absolute stereochemistry.



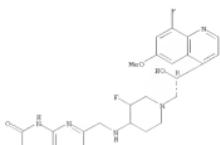
577492-01-0 CARLOS
 CH 2H-Pyrido[3,2-b]1,4-thiazin-3(4H)-one, 6-[[[(39,4S)-3-fluoro-1-[(2R)-2-hydroxy-2-(4-methoxy-4-piperidinyl)ethyl]-4-piperidinyl]amino]methyl]- (CA INDEX NAME)

Absolute stereochemistry.



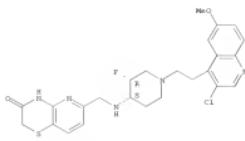
577492-12-7 CARLOS
 CH 2H-Pyrido[3,2-b]1,4-thiazin-3(4H)-one, 6-[[[(39,4S)-3-fluoro-1-[(2R)-2-hydroxy-2-(4-methoxy-4-piperidinyl)ethyl]-4-piperidinyl]amino]methyl]- (CA INDEX NAME)

Absolute stereochemistry.



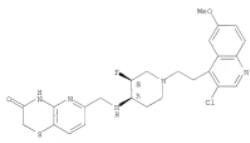
577492-13-8 CARLOS
 CH 2H-Pyrido[3,2-b]1,4-thiazin-3(4H)-one, 6-[[[(39,4S)-1-[(2R)-3-chloro-4-methoxy-4-piperidinyl]ethyl]-3-fluoro-4-piperidinyl]amino]methyl]- (CA INDEX NAME)

Absolute stereochemistry.



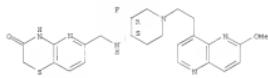
577492-14-9 CARLOS
 CH 2H-Pyrido[3,2-b]1,4-thiazin-3(4H)-one, 6-[[[(39,4S)-1-[(2R)-3-chloro-4-methoxy-4-piperidinyl]ethyl]-3-fluoro-4-piperidinyl]amino]methyl]- (CA INDEX NAME)

Absolute stereochemistry.



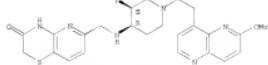
577492-17-2 CARLOS
 CH 2H-Pyrido[3,2-b]1,4-thiazin-3(4H)-one, 6-[[[(39,4S)-3-fluoro-1-[(2R)-2-hydroxy-2-(4-methoxy-4-piperidinyl)ethyl]-4-piperidinyl]amino]methyl]- (CA INDEX NAME)

Absolute stereochemistry.



577492-18-3 CARLOS
 CH 2H-Pyrido[3,2-b]1,4-thiazin-3(4H)-one, 6-[[[(39,4S)-3-fluoro-1-[(2R)-2-hydroxy-2-(4-methoxy-4-piperidinyl)ethyl]-4-piperidinyl]amino]methyl]- (CA INDEX NAME)

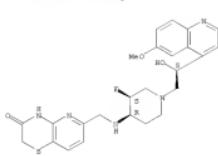
Absolute stereochemistry.



577492-19-0 CARLOS
 CH 2H-Pyrido[3,2-b]1,4-thiazin-3(4H)-one, 6-[[[(39,4S)-3-fluoro-1-[(2R)-2-hydroxy-2-(4-methoxy-4-piperidinyl)ethyl]-4-piperidinyl]amino]methyl]- (CA INDEX NAME)

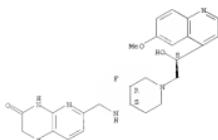
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577492-21-0 CARLOS
 CH 2H-Pyrido[3,2-b]1,4-thiazin-3(4H)-one, 6-[[[(39,4S)-3-fluoro-1-[(2R)-2-hydroxy-2-(4-methoxy-4-piperidinyl)ethyl]-4-piperidinyl]amino]methyl]- (CA INDEX NAME)

Absolute stereochemistry.

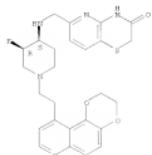


577492-24-1 CARLOS
 CH 2H-Pyrido[3,2-b]1,4-thiazin-3(4H)-one, 6-[[[(39,4S)-1-[(2R)-3-hydroxy-4-methoxy-4-piperidinyl]ethyl]-3-fluoro-4-piperidinyl]amino]methyl]- (CA INDEX NAME)

Absolute stereochemistry.

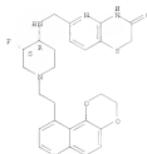
14 NUMBER 12 OF 32 CANVAS COPYRIGHT 2008 AGE 30 578 (CONTINUED)

L4 ANSWER 18 OF 19 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)
Absolute stereochemistry.



INN 577692-25-2 CAPLOS
CAS 28-pyrido[3,2-b]-1,4-thiazin-3(4H)-one,
4-[(35,4R)-1-[2-[2,3-dihydro-1,4-
dioxane [2,1-f]quolinol-10-yl]ethyl]-3-fluoro-4-piperidinyl]amino]methyl)-
(CA INDEX NAME)

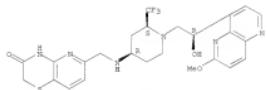
Absolute stereochemistry



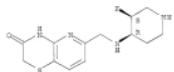
320 577692-32-1 CAPLOS
 CN 2E-Pyrido[3,2-b]-1,4-thiazin-3(4E)-one,
 6-[(39,48)-1-[2-[6-(4-difluoro-4-
 quinolinyliethyl]-3-fluoro-4-piperidinyl]aniso]ethyl- (CA INDEX NAME)

14 ANSWER 18 OF 19 CAPLOS COPYRIGHT 2008 ACG on 87N [Continued]
[6-methoxy-3,5-naphthyridin-4-yl]ethyl]-2-[trifluoromethyl]-4-piperidinyl]amino]methyl]- (CA INDEX NAME)

Absolute stereochemistry

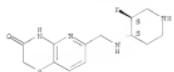


Relative stereoselectivity



322 577691-93-1 CAPLUS
C9 28-Pyrido[3,2-b]-1,4-thiadien-3(4H)-one, 6-[[[13K, 49]-3-Fluoro-4-
-oxyisidomyl]amino]methyl]-, zel- (CA INDEX NAME)

Relative stereoselectivity



EX-EX EX-EX-EX COUNTRIES

THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE

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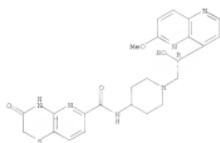
14 ANSWER 19 OF 19 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)
Absolute stereochemistry.



● HCl

II 443954-64-9 CAPLUS
2H-Pyrido[1,2-b]-1,4-thiazine-6-carboxamide, 3,4-dihydro-N-[1-(2R)-2-hydroxy-2-(4-methoxy-1,5-naphthylidin-4-yl)ethyl]-4-piperidinyl-3-oxo-, dihydrochloride (19). (CA INDEX NAME)

Absolute stereochemistry.

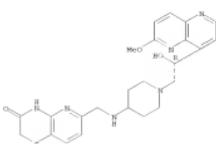


● HCl

II 443954-63-0 CAPLUS

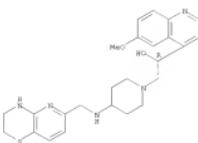
14 ANSWER 19 OF 19 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)
2H-Pyrido[1,2-b]-1,4-thiazine-3(4H)-one, 6-[[1-[(2R)-2-hydroxy-2-(4-methoxy-1,5-naphthylidin-4-yl)ethyl]-4-piperidinyl]amino]methyli- (CA INDEX NAME)

Absolute stereochemistry.



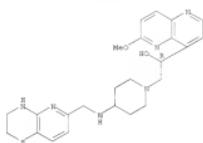
II 443954-81-2 CAPLUS
4-Quinolinenethanol, α -[(4-[(4-dihydro-2H-pyrido[1,2-b]-1,4-thiazin-4-yl)methyl]amino)-1-piperidinyl]methyl-6-methoxy-, (2R)- (CA INDEX NAME)

Absolute stereochemistry.



II 443954-88-5 CAPLUS
1,5-Naphthylidin-4-methanol, α -[(4-[(4-dihydro-2H-pyrido[1,2-b]-1,4-thiazin-4-yl)methyl]amino)-1-piperidinyl]methyl-6-methoxy-, (2R)- (CA INDEX NAME)

14 ANSWER 19 OF 19 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)
Absolute stereochemistry.



REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE CITATION